

RPP M45 BK

PPHP, 45% mineral filled, black

Property (dry as molded)				
General Properties	Condition	Value	Unit	Standard
Abbreviation	-	PP PD45	-	ISO 1043
Density	-	1,29	g/cm ³	ISO 1183
Melt Flow Rate	2.16kg, 230 °C	8	g/10'	ISO 1133
Molding Shrinkage	Parallel / Normal	-	%	ISO 15512
Moisture Content	-	-	%	ISO 15512
Moisture Absorption	50% RH, 23 °C	-	%	ISO 62
Mechanical Properties	Condition	Value	Unit	standard
Stress at Break	+23 °C	25	MPa	ISO 527
Strain at Break	+23 °C	>5	%	ISO 527
Tensile Modulus	+23 °C	5250	MPa	ISO 527
Yield Strength	+23 °C	-	MPa	ISO 527
Izod Impact, notched	+23 °C	3	kJ/m ²	ISO 180/1A
Izod Impact, notched	-30 °C	2	kJ/m ²	ISO 180/1A
Izod Impact, un-notched	+23 °C	-	kJ/m ²	ISO 180/1U
Izod Impact, un-notched	-30 °C	-	kJ/m ²	ISO 180/1U
Thermal Properties	Condition	Value	Unit	Standard
Melting Temperature	10 K/min	165 - 170	°C	ISO 11357
Heat Deformation Temperature	0.45 MPa	-	°C	ISO 75
Heat Deformation Temperature	1.80 MPa	-	°C	ISO 75
Vicat Softening Temperature	50N	-	°C	ISO 306
Electrical Properties & Flammability	Condition	Value	Unit	Standard
Volume Resistivity	-	1E+15	Ohm.cm	IEC 60093
Surface Resistivity	-	1E+15	Ohm	IEC 60093
Comparative Tracking Index	Solution A	-	V	IEC 60112
Glow Wire Flammability Index (GWFI)	2 mm plaque	-	°C	IEC 60695
Glow Wire Ignitability Temperature (GWIT)	2 mm plaque	-	°C	IEC